

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-315313

(43)Date of publication of application : 26. 11. 1993

(51)Int. Cl.

H01L 21/304
B08B 3/12

(21)Application number : 04-113858

(71)Applicant : FUJITSU LTD

(22)Date of filing : 07. 05. 1992

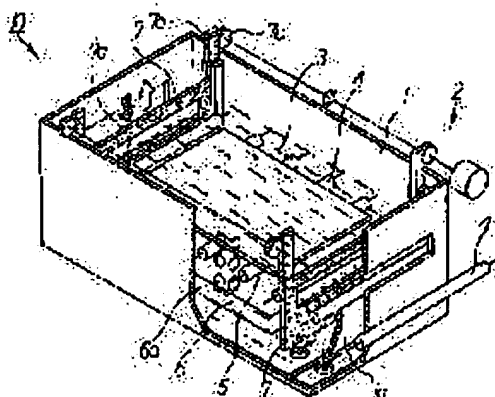
(72)Inventor : MAJIMA NIWAJI
WATANABE KAZUHIRO
WATASHIRO MINEO

(54) LEAF-TYPE ULTRASONIC PROCESSING EQUIPMENT

(57)Abstract:

PURPOSE: To conduct the most efficient processing by placing an object to be processed on loops of standing wave generated in processing liquid.

CONSTITUTION: A leaf-type ultrasonic processing equipment 10 consists of a processing bath 1 and a liquid surface raising means 2. Processing liquid 3 is made to flow abundantly by being partitioned by bulkheads 1a which are provided in front and at back of the processing bath 1. An ultrasonic transmitter 6 is provided on the bottom of the processing bath 1. Ultrasonic processing can be conducted at the optimum efficiency, if rising up of movable bulkheads 7 is controlled in such way that the height of liquid surface of the processing liquid 3 which has been raised up from an object to be processed has relation with wavelength L of standing wave generated in the processing liquid 3, as the formula of $H=L/2$ indicates. As a result, processing time can be shortened by obtaining the most efficient processing effects.



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